I CLAIM:

comprising:

- 1. An assembly for electrically interconnecting two
 2 parts relatively rotatable about an axis, the assembly
- an elongated multiconductor flat ribbon having a pair
 of ends and wound in a spiral centered on the axis, one of the
 ends being secured to one of the parts and the other of the ends
 being secured to the other part.
- 2. The electrical connecting assembly defined in claim
 1 wherein the one end is secured to the one part inside the
 2 spiral and the other end is outside the spiral.
- 3. The electrical connecting assembly defined in claim
 hwherein the ribbon has a width dimension extending generally
 parallel to the axis.
- 4. The electrical connecting assembly defined in claim
 3 wherein the flat ribbon is comprised of a flat elongated tape
 and a plurality of parallel conductive traces on the tape
 extending between the ends.

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1	5. The electrical connecting assembly defined in claim
2	4 wherein the traces are flat strips with a width dimension
3	parallel to the width dimension of the tape.
1	6. The electrical connecting assembly defined in claim
2	4 wherein the tape is nonconductive.

8. The electrical connecting assembly defined in claim
4 wherein the spiral is generally cylindrical and centered on the

4 wherein the tape is flexible.

The electrical connecting assembly defined in claim

3 axis.

1

- 9. The electrical connecting assembly defined in claim
 4, further comprising
- respective rigid circuit boards at the ends having contact pads connected to the traces.

- 10. The electrical connecting assembly defined in claim 4 wherein the tape is L-shaped and has one leg forming the spiral and an other leg extending axially from the spiral.
- 11. The electrical connecting assembly defined in
 claim 10 wherein the other leg is formed with a loop projecting
 transversely of the axis.
- 12. The electrical connecting assembly defined in claim 1 wherein the one part is a bonding head.